1. COMPANY AND PRODUCT IDENTIFICATION

DUNCAN ENTERPRISES
5673 East Shields Avenue
Fresno, CA 93727
559-291-4444
559-291-9444 (Fax)

EMERGENCY TELEPHONE NUMBERS
Health Emergency: 559-291-4444 7:00 am – 3:30 pm Pacific Standard Time
Spill and Off-Hour Health Emergencies: 800-424-9300 U.S. and Canada
703-527-3887 Outside U.S. and Canada (Collect)

Product Name: DUNCAN OA 901 ESSENCE
Product Category: Solvent - Based Extender

2. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>CAS #</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camphor</td>
<td>2 ppm</td>
<td>2 ppm</td>
<td>76-22-2</td>
<td>15-20</td>
</tr>
<tr>
<td>Cyclohexanone</td>
<td>50 ppm</td>
<td>25 ppm</td>
<td>108-94-1</td>
<td>20-25</td>
</tr>
<tr>
<td>*o-Dichlorobenzene</td>
<td>50 ppm (C)</td>
<td>25 ppm</td>
<td>95-50-1</td>
<td>25-30</td>
</tr>
<tr>
<td>Stoddard Solvent</td>
<td>500 ppm</td>
<td>100 ppm</td>
<td>8052-41-3</td>
<td>20-25</td>
</tr>
</tbody>
</table>

Other Information
(C) Ceiling Limit Value
*Withheld as a trade secret.

3. HAZARDS IDENTIFICATION

HMIS Hazard Ratings for Product
Health: 3* 0 = Minimal
Flammability: 4 1 = Slight
Reactivity: 0 2 = Moderate
Personal Protection: See Section 8 3 = Serious
4 = Severe
* = Chronic Effects

Routes of Exposure
Exposure may be by inhalation and / or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

Effects of Overexposure
Irritation of eyes, skin, and upper respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Signs and Symptoms of Overexposure
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

Cancer Information
For complete discussion of toxicology data refer to Section 11.
4. FIRST AID MEASURES

**Eye contact:** Flush with water at least 15 minutes, and contact physician immediately.

**Skin contact:** Wash with soap and water. Remove contaminated clothing and shoes. Wash or clean before reuse.

**Inhalation:** Remove from exposure to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen. Contact a physician immediately.

**Ingestion:** Give milk or water. Do not give anything to an unconscious person. Induce vomiting. Contact a physician immediately.

5. FIRE FIGHTING MEASURES

**Flash Point:** 108°F (Setaflash Closed Cup)

**Flammable Limits**
- LEL: N/A
- UEL: N/A

**Extinguishing Media**
- CO₂, dry chemical or Chemical Foam. **Do not use water jet.**

**Special Fire Fighting Procedures**
- Fire Fighters should wear NIOSH/MSHA approved pressure demand self-contained breathing apparatus.

**Unusual Fire And Explosion Hazards**
- Toxic fumes may be evolved in a fire.

6. ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled**
- Promptly absorb spill using inert materials such as sand, vermiculite or sawdust. Remove all sources of ignition. Cover drains to prevent entry into waterways. If a Reportable Quantity is exceeded for any ingredients, contact the National Response Center.

7. HANDLING AND STORAGE

**Precautions To Be Taken In Handling And Storing**
- Keep away from, open flame, and sources of ignition. Store as flammable liquid. Store in a cool dry place. See Reactivity Section.

**Other Precautions**
- Follow good industrial hygiene and housekeeping practices. Wash hands before eating, drinking, smoking, or applying cosmetics, and at the end of the work shift. Avoid contact with eyes, skin, or clothing.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

**Respiratory Protection (Specify Type)**
- If there is a possibility that the TLVs or PELs may be exceeded, a NIOSH/MSHA approved respirator with organic vapor cartridge represents the minimum level or respiratory protection. To insure proper respirator selection and use, refer to the requirements of 29 CFR 1910.134 and the latest addition of ANSIZ 88.2.

**Ventilation**
- Local Exhaust: Fume hood at point of generation with sufficient exhaust
- Mechanical (General): Must be sufficient to remove vapors from breathing zone
- Protective Gloves: Solvent impermeable gloves
- Eye Protection: Safety glasses or goggles
- Other Protective Clothing Or Equipment: Eye bath and safety shower.
Work/Hygienic Practices: Wear disposable protective clothing to facilitate recovery of any materials spilled. Use adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance and Odor</td>
<td>Clear yellow liquid with solvent odor</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Evaporation Rate (butyl acetate = 1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Melting Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>N/A</td>
</tr>
<tr>
<td>Water Solubility, %</td>
<td>Immiscible</td>
</tr>
<tr>
<td>Percent Volatiles by Volume</td>
<td>100%</td>
</tr>
<tr>
<td>PH</td>
<td>N/A</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Unstable: Stable: X

Conditions To Avoid
Avoid heating substance where it may be inhaled, open flames, oxidizers and sources of ignition. Solvent vapors are heavier than air and can accumulate, travel to sources of ignition and flash back.

Incompatibility (Materials To Avoid)
Oxidizers such as chlorates, perchlorates, permanganates, and nitrates.

Hazardous Decomposition or Byproducts
Carbon dioxide, carbon monoxide, hydrochloric acid, oxides of sulfur and carbonaceous fumes.

Hazardous Polymerization
May Occur: Will Not Occur: X

Conditions To Avoid: N/A

11. TOXICOLOGICAL INFORMATION

Routes of Entry
Inhalation: Yes  Skin: Yes  Ingestion: Yes

Health Hazards (Acute and Chronic)
Short-term liquid or vapor contact may result in slight eye irritation. Prolonged and repeated contact may be more irritating. Prolonged and repeated liquid contact can cause defatting and drying of the skin which may result in skin irritation and dermatitis. Avoid breathing vapor or spray. Solvents can act as central nervous system depressants, exhibiting narcotic and anesthetic effects. Overexposure to some of these components may cause headaches, nausea, vomiting, drowsiness, diarrhea, liver, and kidney damage.

Carcinogenicity
NTP: yes  IARC Monographs: yes  OSHA Regulated: yes

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Return accumulated residues, to refinery for metals recovery. Follow local, state and federal regulations for packaging, labeling, manifesting, transportation and disposal.

14. TRANSPORT INFORMATION
15. REGULATORY INFORMATION

California Proposition 65
WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

TSCA Certification
All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory.

Products bearing the Caution Label are certified to be properly labeled in a program of toxicological evaluation by a nationally recognized toxicologist. The products are certified by the toxicologist to be labeled in accordance with the chronic hazard labeling standard ASTM D-4236.

16. OTHER INFORMATION

Table of Abbreviations
ACGIH American Conference of Governmental Industrial Hygienists
AICS Aboriginal Independent Community Schools
ANSI American National Standards Institute
ASTM American Society for Testing Materials
°C Degrees Centigrade
CAS Chemical Abstract Service
CERCLA Comprehensive Environmental Response, Compensation and Liability Act
CFR Code of Federal Regulations
CPR Controlled Products Regulations
DOT Department of Transportation
DSL Domestic Substances List
ECL Education Counseling Service
EINECS European Inventory of Existing Commercial Chemical Substances
ENCS Existing and New Chemical Substances
EPA Environmental Protection Agency
°F Degrees Fahrenheit
FDA Food & Drug Administration
Hg Mercury
HMIS Hazardous Materials Identification System
IARC International Agency for Research on Cancer
IATA International Air Transport Association
ICAO International Civil Aviation Organization
IMO International Maritime Organization
LD Lethal Dose
mg / kg Milligram per kilogram
MITI Ministry of International Trade and Industry
mm Millimeter
MSDS Material Safety Data Sheet
MSHA Mine Safety and Health Administration
N / A Not Applicable
NFPA National Fire Protection Association
NIOSH National Institute for Occupational Safety and Health
**Table of Abbreviations (Continued)**

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppm</td>
<td>Parts per million</td>
</tr>
<tr>
<td>SARA</td>
<td>Superfund Amendment and Reauthorization Act</td>
</tr>
<tr>
<td>STEL</td>
<td>Short-Term Exposure Limit</td>
</tr>
<tr>
<td>TDG</td>
<td>Transport Dangerous Goods</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>TWA</td>
<td>Time-Weighted Average</td>
</tr>
<tr>
<td>U.N.</td>
<td>United Nations</td>
</tr>
<tr>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System</td>
</tr>
<tr>
<td>&gt;</td>
<td>Greater Than</td>
</tr>
<tr>
<td>&lt;</td>
<td>Less Than</td>
</tr>
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</table>

**Creation Date:** 09/00  
**Revision Date:** 08/08/06  
**Technical Contact:** Candi Prado  
Senior R&D Specialist  
Duncan Enterprises  
5673 East Shields Avenue  
Fresno, CA 93727  
559-291-4444  
559-291-9444 (Fax)

**Disclaimer**

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